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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/753,976	01/07/2004	Siau-Way Liew	6750-0013	6434
36806	7590	03/09/2006	EXAMINER	
IMAGING THERAPEUTICS, INC. c/o KENYON & KENYON LLP 333 W, SAN CARLOS STREET SUITE 600 SAN JOSE, CA 95110-2731				RAMIREZ, JOHN FERNANDO
ART UNIT		PAPER NUMBER		
				3737
DATE MAILED: 03/09/2006				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/753,976	LIEW ET AL.	
	Examiner	Art Unit	
	John F. Ramirez	3737	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on _____.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-19 is/are pending in the application.
 - 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-19 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____.
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>10/01/04</u> .	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____.

DETAILED ACTION

Specification

Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc. Appropriate Correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 9 recites the limitation "Tables 1, 2 and 3" in the last line of the claim.

There is insufficient antecedent basis for this limitation in the claim. Correction is required.

Claim 15 recites the limitation "the steps" in the first line of the claim. There is insufficient antecedent basis for this limitation in the claim. Correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claim 1-13 are rejected under 35 U.S.C. 102(e) as being anticipated by Bi et al. (US 6,246,745).

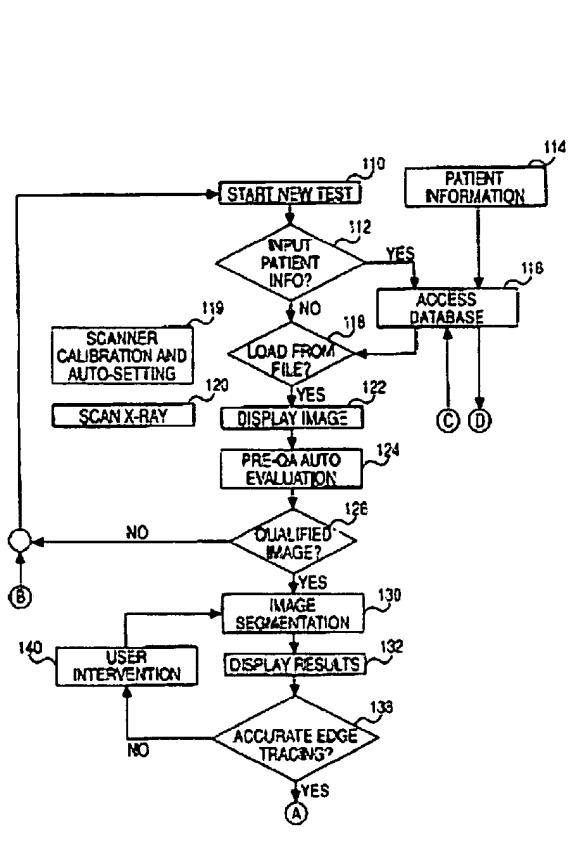


FIG. 6

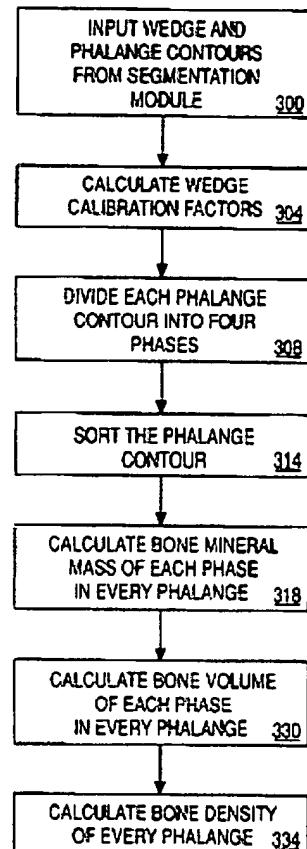


FIG. 9

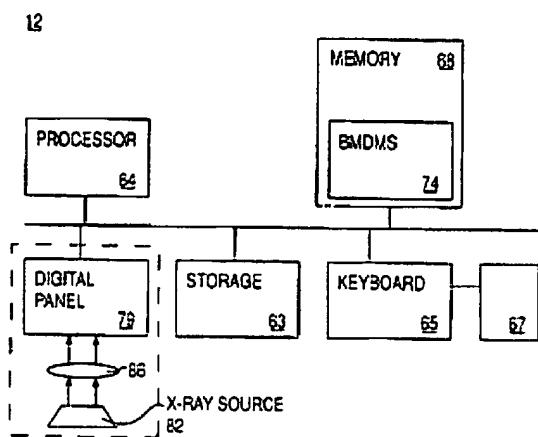


FIG. 4

The Bi et al. patent shows in Figures 6 & 9, and related description a method of predicting bone or articular disease in a subject, the method comprising the steps of: determining one or more micro-structural parameters, one or more macroanatomical parameters or biomechanical parameters of a joint in said subject; and combining at least two of said parameters to predict the risk of bone or articular disease, wherein said combining comprises combining one or more micro-structural parameters and one or more macro-anatomical parameters (col. 1, lines 12-23), wherein said combining comprises combining one or more micro-structural parameters and one or more biomechanical parameters, wherein said combining comprises combining one or more macroanatomical parameters and one or more biomechanical parameters, wherein said combining comprises combining one or more macroanatomical parameters, one or more micro-structural parameters and one or more biomechanical parameters.

6. The method of claim 1, wherein said bone or articular disease is fracture risk (col. 1, lines 12-23), wherein the parameters are obtained from one or more regions of interest in an image obtained from said subject (see Figure 8), wherein the image comprises a calibration phantom (Fig. 6, element 119 and Fig. 9, element 304), wherein said parameters are selected from the group consisting of one or more of the parameters set forth in Tables 1, 2 and 3, wherein said combining comprises univariate, bivariate or multivariate statistical analysis (col. 2, line 65 – col. 3, line 3), comparing said parameters to data derived from a reference database of known disease parameters(Figures 4 and 5; col. 9, lines 1-37), wherein the bone is in a region selected from the group consisting of leg, knee, hip, spine and arm (col. 1 lines 12-23), wherein the image

is selected from the group consisting of an x-ray image, a CT image, an ultrasound image and an MRI (see Figure 4 above).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 14-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bi et al. (6,246,745) in view of Pak et al. (US 5,228,445).

In reference to claims 14-19, the Pak et al. patent teaches all the limitations of the claimed subject matter except for mentioning specifically the steps of administering a compound to the subject, wherein the steps are repeated at two or more time points and further wherein one time point is prior to administration of the compound, a method of determining the effect of a candidate agent on a subject's prognosis for musculoskeletal disease comprising: predicting a first risk of musculoskeletal disease in subject administering a candidate agent to said subject; predicting a second risk of said musculoskeletal disease in said subject and comparing said first and second risks, thereby determining the effect of the candidate on the subject's prognosis for said disease, wherein said candidate agent is administered to the subject, wherein said administration comprises ingestion or injection, wherein said

candidate agent is selected from the group consisting of molecules, pharmaceuticals, biopharmaceuticals, agropharmaceuticals and combinations thereof.

However, the steps of 1) administering a compound to the subject, 2) wherein the steps are repeated at two or more time points and further wherein one time point is prior to administration of the compound, 3) a method of determining the effect of a candidate agent on a subject's prognosis for musculoskeletal disease comprising: predicting a first risk of musculoskeletal disease in subject, 4) administering a candidate agent to said subject, 5) predicting a second risk of said musculoskeletal disease in said subject, 6) comparing said first and second risks, thereby determining the effect of the candidate on the subject's prognosis for said disease, 7) wherein said candidate agent is administered to the subject, 8) wherein said administration comprises ingestion or injection, and 9) wherein said candidate agent is selected from the group consisting of molecules, pharmaceuticals, biopharmaceuticals, agropharmaceuticals and combinations thereof are considered conventional in the art as evidenced by the teachings of Pak et al.

Based on the above observations, for a person of ordinary skill in the art, modifying the method disclosed by Bi et al., with the above discussed enhancements would improve the treatment process for improving the intrinsic quality of bone in osteoporotic patients.

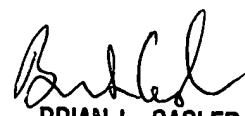
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John F. Ramirez whose telephone number is (571) 272-8685. The examiner can normally be reached on (Mon-Fri) 7:30 - 4:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian L. Casler can be reached on (571) 272-4956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JFR
03/03/06



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